

Date: Fri, 22 Jul 94 19:09:42 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #829
To: Info-Hams

Info-Hams Digest Fri, 22 Jul 94 Volume 94 : Issue 829

Today's Topics:

 6 WEEKS to get license
 ARLD041 DXCC update
 ARLD042 DXCC update
 ARLD043 DXCC update
 ARLD044 DX news
 Daily Summary of Solar Geophysical Activity for 21 July
 GB2RS News 24th July 1994
 Nikola Tesla - the true father of Radio
 QRP NEWSGROUP?
 RS Freq Counter?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 22 Jul 1994 11:41:07 GMT
From: agate!blanket.mitre.org!linus.mitre.org!newsflash.mitre.org!appler@ames.arpa
Subject: 6 WEEKS to get license
To: info-hams@ucsd.edu

I was very worried by all the articles recently on 17 WEEK licences, but not
anymore. I JUST RECEIVED my license after only 6 WEEKS!!!! So, I'm not sure what
the rest of you are experiencing, but it was only 6 weeks for me.

- Matthew Appler (now KE4PDR)

Date: Thu, 21 Jul 1994 20:45:58 EDT
From: psinntp!arrl.org!usenet@uunet.uu.net
Subject: ARLD041 DXCC update
To: info-hams@ucsd.edu

SB DX @ ARL \$ARLD041
ARLD041 DXCC update

ZCZC AE39
QST de W1AW
DX Bulletin 41 ARLD041

Date: Thu, 21 Jul 1994 20:47:49 EDT
From: psinntp!arrl.org!usenet@uunet.uu.net
Subject: ARLD042 DXCC update
To: info-hams@ucsd.edu

SB DX @ ARL \$ARLD042
ARLD042 DXCC update

ZCZC AE40
QST de W1AW
DX Bulletin 42 ARLD042

Date: Thu, 21 Jul 1994 20:49:42 EDT
From: psinntp!arrl.org!usenet@uunet.uu.net
Subject: ARLD043 DXCC update
To: info-hams@ucsd.edu

SB DX @ ARL \$ARLD043
ARLD043 DXCC update

ZCZC AE41
QST de W1AW
DX Bulletin 43 ARLD043

Date: Thu, 21 Jul 1994 18:52:22 MDT
From: ihnp4.ucsd.edu!agate!library.ucla.edu!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu
Subject: ARLD044 DX news
To: info-hams@ucsd.edu

SB DX @ ARL \$ARLD044
ARLD044 DX news

ZCZC AE42
QST de W1AW
DX Bulletin 44 ARLD044
>From ARRL Headquarters
Newington CT July 21, 1994
To all radio amateurs

SB DX ARL ARLD044
ARLD044 DX news

The items in this week's bulletin are courtesy of the DXCC Desk, the OPDX Bulletin, Chuck, KG9N, Joe, NJ1Q, Burton, VP9BP, and the Contest Corral column in QST. Thanks.

PRINCIPALITY OF SEBORGIA. I1RBJ called the DXCC Desk this morning to say that he had returned from the ITU, and that under agreement with the ITU and the Italian government, he would now be using the callsign IS1A/OS1A. This station will be on this weekend. QSL via I1RBJ. Also, 3A2LF/OS0C will operate CW only on 25 July.

Amateurs are reminded that there is currently no DXCC status for this one.

The principality of Seborga is located 20 km north of Monaco and is 517 meters above sea level. The principality was established on 20 August, 959 AD. It is about 5 square km in area, and currently has 300 inhabitants.

SVALBARD. Tom, LA4LN, will sign JW4LN, and Magne, LB3RC, will sign LB3RC/JW from August 1 to 20. This is a scientific expedition and NOT a radio only DXpedition. QSL info for JW4LN is via LA4LN, Tom Victor Segalstad, PO Box 15 Kjels, N-0411 Oslo, Norway. QSL LB3RC/JW via LB3RC, Magne Nicolaysen, Stgaards gate 23 B, N-0474 Oslo, Norway.

CROATIA. Jacky, F2CW, has been working for the Red Cross in Croatia for the past six months. He has been on as 9A/F2CW, but expects to receive the call sign 9A5CW soon. Activity has been mainly CW with sporadic SSB. RTTY, PacTOR and AmTOR operations are in the works. QSL 9A/F2CW, 9A5CW and T9/F2CW via KC7V.

BAHAMAS. Chuck, KG9N, will be signing his call /C6A from the island of Abaco. Plans include being active in the North American QSO Party. He will operate primarily on CW 25 kHz up from the band

edges, but listen for his SSB on 14195 kHz at about 0300z daily.

LIECHTENSTEIN. Members of the PI4COM Contest Group will sign HB0/PA3ERC July 17 to 24. Ops PA3ERC, PA3BBP, PA3EWP and PA3GBQ plan to be on 160 through 10 meters with CW, SSB and RTTY. QSL via PA3ERC.

SOUTH KOREA. Del, HL9DC, an American from Ohio, is active from Wonju, South Korea. His length of stay is unknown. He was heard recently on 14025 kHz around 1200z. Also check the bottom of 40 meters between 1100 and 1200z. QSL via N7R0.

ARUBA. Hiro, JR4PMX, Jun, JH4RHF, and Kumiko, JR4DUW, plan to be active for one week starting August 24. Jun will sign P40S and Kumiko will sign P40YL. Listen for them on all MF/HF bands with their CW, SSB and RTTY. QSL via their home calls.

EGYPT. Ayman, SU1AY, was on the 14226 DX net around 0000z. QSL via OE6EEG.

GUAM. Burton, KH2/VP9BP, will be active for the next two years. QSL direct to Burton S. Paynter, 321 Johnson Road, Naval Hospital, Agana Heights, Guam 96919, or via the VP9 QSL Bureau. DO NOT send cards to his Bermuda callbook address.

ZD8LII QSL INFO. AD8V is NOT nor has ever been QSL Manager for ZD8LII. QSL ZD8LII via G0LII.

THIS WEEKEND ON THE RADIO. The SEANET CW Contest, sponsored by the Singapore ARTS, is from 0000z July 23 to 2400z July 24 on 160 through 10 meters. Send signal report and serial number beginning with 001 on each band.

The Venezuelan Independence Day Contest on CW, sponsored by the Radio Club Venezolano, runs from 0000z July 23 to 2400z July 24 on 80 through 10 meters. Exchange signal report and QSO number.

For more information on these two operating events, check page 118 in June QST.

The first Russian DX Contest will coincide with the Goodwill Games in Saint Petersburg, Russia, July 30 and 31. Special event stations R1GWG, for Good Will Games, and R1MVI, for M-V Island, will be active during the contest.

NNNN

/EX

Solar activity was very low. The largest flare reported since yesterday was a B1/SF at 21/0453Z in Region 7757

(N12E08). This region has changed little. Other regions were quiet.

Solar activity forecast: solar activity is expected to be very low. Additional small flares in Region 7757 are possible.

The geomagnetic field was unsettled to active at most stations from 21/0300-1500Z and quiet otherwise.

Geophysical activity forecast: the geomagnetic field is expected to be quiet to unsettled with occasional active periods.

Event probabilities 22 jul-24 jul

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 22 jul-24 jul

A. Middle Latitudes	
Active	30/30/30
Minor Storm	15/15/15
Major-Severe Storm	05/05/05
B. High Latitudes	
Active	30/30/30
Minor Storm	15/15/15
Major-Severe Storm	05/05/05

HF propagation conditions were near-normal over all regions. Near-normal propagation is expected over the next 24 hours. Mild minor signal degradation may be observed over transauroral circuits on 23 and 24 July in response to a minor recurrent disturbance which is expected to influence polar and high latitude geomagnetic and auroral activity slightly.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

=====

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 21/2400Z JULY

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7756	S12W19	359	0000	AXX	00	001	ALPHA	
7757	N12E08	332	0170	CS0	05	006	BETA	

7758 S13E27 313 0000 AXX 00 001 ALPHA
 7753 S12W69 049 PLAGE
 REGIONS DUE TO RETURN 22 JULY TO 24 JULY
 NMBR LAT LO
 7742 S09 231

LISTING OF SOLAR ENERGETIC EVENTS FOR 21 JULY, 1994

 BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP
 NONE

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 21 JULY, 1994

 BEGIN MAX END LOCATION TYPE SIZE DUR II IV
 NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 21/2400Z

 ISOLATED HOLES AND POLAR EXTENSIONS
 EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
 NONE VISIBLE

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
20 Jul:	0022	0038	0048	B3.1	SF	7758	S13E51			
	0951	0954	0957	B1.0						
	1320	1328	1337	B6.0	SF	7757	N15E28			

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7757:	0	0	0	1	0	0	0	0	001	(33.3)
Region 7758:	0	0	0	1	0	0	0	0	001	(33.3)
Uncorrelated:	0	0	0	0	0	0	0	0	001	(33.3)

Total Events: 003 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
20 Jul:	0022	0038	0048	B3.1	SF	7758	S13E51	III

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: Thu, 21 Jul 1994 18:12:51 +0000
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!demon!llondel.demon.co.uk!
dave@network.ucsd.edu
Subject: GB2RS News 24th July 1994
To: info-hams@ucsd.edu

Good morning. It's Sunday the 24th of July and here is the GB2RS news broadcast, prepared by the RSGB and intended for all radio amateurs and short-wave listeners.

First the headlines:-

The new packet rules are clarified,

The very last chance to nominate the Young Amateur of the Year,

And we have some awards news.

A number of packet radio operators have asked for clarification of how the RA's new unattended operation rules will work in practice. Briefly, it is now necessary for anyone operating an unattended digital station to notify their local RIS office of that operation, and to inform them of how the station can be closed down in an emergency. This could include the telephone numbers of neighbours, or the whereabouts of an external mains switch.

The full wording of the new regulations, including the improved licence conditions for the 1.8 and 50MHz bands, is published in the August edition of Radio Communication which will be posted to all RSGB members this week. Non-members who would like a free copy should telephone RSGB Headquarters on 0707 659015 and ask for the Marketing Department.

The deadline for nominations for the Young Amateur of the Year is next weekend. If you know of anyone under the age of 18 who could qualify for this prestigious award, contact RSGB Headquarters urgently for an application form. Full details of the award and its rules can be found in the April edition of Radio Communication or from RSGB HQ.

Jack Brooker, G3JMB, has received an RSGB award for confirmed contacts on 10GHz with stations in 15 locator squares. This is only the second such award to be issued.

Two short-wave listeners have also received notable 50MHz awards: Bob Treacher, BRS32525, has been awarded the RSGB 200 squares certificate. And Netherlands listener, Jan Steenbergen, NL213, has been awarded a certificate for 140 countries confirmed.

Also on 50MHz, Robert Tweddell, G1RST, has gained the RSGB Senior transmitting certificate for 60 counties and 20 countries confirmed. He also has a Standard certificate for 40 counties and 12 countries, endorsed: 'All auroral contacts'.

Details of the RSGB VHF and UHF awards can be found in the RSGB Call Book or may be obtained from the VHF Awards Manager, Ian Cornes, G4OUT whose address is correct in the Call Book.

The Orkney two-metre repeater, GB30C, will be going off the air for a thorough overhaul on Friday the 5th of August. The estimated time to carry out the work is about two months. For further details contact the repeater keeper GM3IBU, whose address is correct in the RSGB Call Book.

Now some items of HF DX news from the weekly RSGB DX News Sheet which is edited by Brendan McCartney, G4DY0.

Date: Fri, 22 Jul 94 06:41:30 GMT
From: netcomsv!netcomsv!skyld!jangus@decwrl.dec.com
Subject: Nikola Tesla - the true father of Radio
To: info-hams@ucsd.edu

In article <5E2xKHn.bobb67@delphi.com> you write:

>
>
> TESLA
>
> Few people recognize his name today, and even among those who do, the
> words Nikola Tesla are likely to summon up the image of a crackpot
> rather than an authentic scientific genius. But were you aware that
> Tesla was responsible for...

Yeah, genius though he may have been, he was also as crazy as a shit house rat. One of the better books I have on him is a collection of his writings. Once you've read what he had to say in his own words, you can see why most people thought him to be a crackpot.

Remember, he also came up with the idea of free energy to the masses with his large resonant transformer project. Just imagine that if he had managed to finish it, there would not be radio communications as we know it. Period!

As far as the rift between Tesla and Edison, that was partly due to Edison's "Not-Invented-Here" attitude and partly due to Tesla's unusually firm belief of his own infallibility. (Hummm, sort of like the discussions on r.r.a.p)

Tesla, genius or madman? Both!

73 es GM from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM	"You have a flair for adding
Internet: jangus@skyld.grendel.com	a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749	story."
Phone: 1 (310) 324-6080	Peking Noodle Co.

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

Date: 22 Jul 1994 13:15:24 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!udel!
nntp.sunbelt.net!DDEPEW%CHM.TEC.SC.US@network.ucsd.edu

Subject: QRP NEWSGROUP?
To: info-hams@ucsd.edu

Greetings

Does anyone know of a QRP newsgroup? I have subscribed to a QRP mailing list on the Net, but keep seeing references to a newsgroup...can't find it...any help appreciated. Tnx es 73.

Dorr Depew
N4QIX

Date: Fri, 22 Jul 1994 11:08:02 GMT
From: pacbell.com!att-out!nntpa!not-for-mail@ames.arpa
Subject: RS Freq Counter?
To: info-hams@ucsd.edu

OK, OK, quit laughing. Has anyone tried the Rat Shack freq counter? Price is good. Switchable input impedance. Up to 1 Gig.

--

Wally Blackburn	Clinton-Gore - Socialist Leadership
wrb@ccsitn.cb.att.com	for the 90s!
Amateur Radio Station AA8DX	I'm the NRA.
'91 FXR	DoD #1375

Date: (null)
From: (null)

And from Svalbard, LA4LN and LB3RC will sign JW4LN and LB3RC/JW respective from the 1st to the 20th of August. Both are taking part in a scientific expedition but hope to be active on all bands, 10 to 160 metres on CW, SSB and RTTY.

Now the rallies we know of for today, Sunday the 24th of July:

The Colchester Radio and Computer Rally is being held at St Helena School, Sheepen Road, Colchester, adjacent to the Colchester inner bypass. The event, which opens at 10am, has trade stands featuring a wide range of radio and computer items, a car boot sale, an RSGB book and information stand and a bring and buy stall. RSGB Morse Tests will be available on demand, but remember to bring two passport size photographs. Talk-in will be on 2 metres, channel S22.

The Humber Bridge Amateur Radio Rally is being held at the Exhibition

Centre, Freightliner Road, off Clive Sullivan Way, Hull. The site has easy access and is one mile from the bridge. Doors open at 11am, or 10.30 for disabled visitors. The event features a bring and buy stall. Refreshments will be available and talk-in will be on 2 metres, channel S22.

We know of only one rally for next Sunday the 31st of July:

The Rugby Amateur Transmitting Society sixth Annual Rugby Radio Rally is to be held at the BP Truckstop on the A5, some 2 miles North from junction 18 of the M1 motorway. The rally starts at 10am. The truckstop will be open for catering and other facilities throughout the day. Talk-in will be on 2 metres, channel 22, by GB6CBS. Further details from Peter on 0455 552449.

Now for the HF contest news:

The Russian DX Contest is scheduled to take place from 2100 UTC on Friday the 29th until 0900 on Saturday the 30th of July on 3.5 to 28MHz, excluding the WARC bands. See June RadCom page 20 for full details.

The Islands on the Air (IOTA) CW and SSB Contest runs next weekend from 1200GMT on Saturday the 30th for 24 hours on 3.5 to 28MHz. See March RadCom page 92 for full details.

Next some VHF contest news:

The RSGB 432MHz Low Power Contest take place today, Sunday the 24th, from 0800 to 1400UTC. It features four entry sections: single operator fixed, single operator portable, all others and Listener. See April RadCom page 80 for details.

The fourth RSGB 10GHz Summer Cumulative Contest takes place from 0900 to 2100 UTC, next Sunday the 31st of July. April's RadCom page 82 has further details.

The Doncaster 70 centimetre repeater GB3DV on 433.025MHz, channel RB1, was returned to service on Friday the 15th of July. For further details and/or reports regarding the repeater, contact G4LUE whose address is correct in the RSGB'93 Call Book.

Special event stations active this week include:

GB4GS which will be aired from the Goodwin Sands, WAB square TR45, tomorrow, Monday the 25th, by members of the Radio Club of Thanet. Operation will be on 80 and 40 metres, from approximately 0815 UTC, depending on the tide. Another operation is planned for Friday the 12th of August.

GB5AC, Air Cadets and GB5ATC, Air Training Corps, will be operational from town of Ayr during the RAF Display being held this weekend. They will use 40 metres SSB and 2 metre FM on channel S21, until 6pm, today Sunday the 24th.

The Air Training Corps will also be active as GB4ATC, G3ATC and G8RT at the Royal Tournament, held at London's Earls Court throughout this week.

GB4SFC will be aired by the Peterlee Amateur Radio Club for the Cleveland Scouts "Friendship 94 Camp" at Ripley Castle, North Yorkshire. The event takes place from Friday the 29th of July to Saturday the 6th of August, during which some 1500 Scouts, many from around the world, are expected to be attending. Operation will be on all HF bands, CW and SSB and packet on 2 metres. Visitors will be most welcome. For further information contact Bill, G4RXR on 091 586 7725.

And now the solar factual data:

The period from the 11th to the 17th of July has seen the passage of a coronal hole but, in the main, solar activity has been moderate. There was a B4.4/SF flare on the 13th and the X-Ray flux has risen to reasonably high levels. The overall geomagnetic activity continues to decline. Sunspot indices have been high reaching 101 on the 12th, the highest count since last March. The period meaned at 80. A B4.4/SF solar flare on the 13th pushed up the solar flux which averaged 82 units. The 90 day flux average on the 17th was 80 units. The geomagnetic levels have been affected by the passage of a coronal hole which raised levels up to a sub-storm level of 26 units from the 15th to the 17th. Up to the 15th it was very quiet with levels down to only 2 units. The period averaged Ap 13.7 units. The state has been 'nil nothing to report' throughout the period.

The daily aa Indices, as supplied by the British Geological Survey for the 5th to the 11th of July, have been mainly quiet with periods down to only 2 nanoTeslas. The only unsettled day was the 7th, with periods up to 59 nanoTeslas. However, the average of the daily indices for the period was 13.6 nanoTeslas, about K2. The X-Ray flux has risen to quite high levels reaching B1.1 on the 15th and 16th with the period averaging a level of A7.8 units. The monthly average geomagnetic Ap for June was 15 units. The smoothed level for December 1993 was 17.6 units.

I'll repeat the figures. Spots - 80; Flux - 82; Ap index - 13.7; X-ray flux - A7.8.

We regret that a technical failure on our telex link has resulted in the absence of the ionospheric data this week.

And lastly the solar forecast:

This week, the more active side of the sun will be looking our way. Solar flux levels are expected to be about 85, with geomagnetic levels possibly up to sub storm with an Ap of about 25 units. Ionospheric MUFs are expected during daylight to be about 21MHz in the south, but northern stations may be affected by the geomagnetic activity. Darkness hour levels are expected to be about 14MHz.

And that's the end of the solar information.

Finally in the main news, SSL has informed the Society that as of last Wednesday morning, the latest callsigns issued were in the G0 Victor Alpha and G7 Sierra Lima series, and Novice calls in the 2 0 Alpha India and 2 1 Delta Delta series.

--

GB2RS is prepared by the Radio Society of Great Britain and is broadcast in the 80m, 40m, 6m and 2m bands.

Tel +44 707 659015 Fax +44 707 645105

Date: (null)
From: (null)

Date: (null)
From: (null)

Date: (null)
From: (null)

Date: (null)
From: (null)

Date: (null)
From: (null)

End of Info-Hams Digest V94 #829
